

The image shows a screenshot of a Google search results page. At the top, there's a navigation bar with links for Web, Images, Maps, News, Shopping, Gmail, and more. To the right of the navigation bar is a 'Sign in' link. Below the navigation bar is the Google logo. To the right of the logo is a search bar containing the query "augmented reality" "outer space". Next to the search bar are 'Search', 'Advanced Search', and 'Preferences' buttons. Below the search bar, there are links for 'Web Books' and 'Google Checkout'. The main content area displays search results. The first result is a link to a Google Books result for "Medicine Meets Virtual Reality 2001: Outer Space, Inner Space, ...". The second result is a link to a page about Franz Fischnaller, a fabricator. The third result is a link to a page about FABRICATORS Company. The fourth result is a link to a patent document about an augmented reality-based firefighter training system. The fifth result is a link to a page titled "'Making it real': exploring the potential of augmented reality ...". Each result includes a snippet of text from the source page.

1. [Medicine Meets Virtual Reality 2001: Outer Space, Inner Space, ... - Google Books Result](#)

by James D. Westwood - 2001 - Medical - 609 pages

2001 The development of an evaluation framework for the quantitative assessment of computer-assisted surgery and **augmented reality** accuracy performance ...

[books.google.com/books?isbn=1586031430...](http://books.google.com/books?isbn=1586031430...)

2. [Franz Fischnaller - Fabricators](#)

... of living in **outer space** first-hand. In Space Gate Hotel the juxtaposing of artificial and **augmented reality** into the physical environment allowing the ...

[www.fabricat.com/FFshort\\_Bio.htm](http://www.fabricat.com/FFshort_Bio.htm) - 23k - [Cached](#) - [Similar pages](#)

3. [FABRICATORS Company](#)

Professor for **Augmented Reality** at Victoria University of Wellington, ... Space on Earth Project is a visionary SPACE tech-utopia **outer-space** destination, ...

[www.fabricat.com/FF.htm](http://www.fabricat.com/FF.htm) - 40k - [Cached](#) - [Similar pages](#)

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4. [Augmented reality-based firefighter training system and method ...](#)

Method and apparatus are presented for an **augmented reality**-based firefighter ... Flight vehicle434/34, **Outer space** vehicle434/33, Helicopter434/234, ...

[www.patentstorm.us/patents/6500008.html](http://www.patentstorm.us/patents/6500008.html) - [Similar pages](#)

by JF Ebersole Jr - 2002 - [Cited by 6](#) - [Related articles](#) - [All 8 versions](#)

5. ["Making it real": exploring the potential of \*\*augmented reality\*\* ...](#)

would never experience because it's in **outer space**". Two teachers said they enjoyed it when the .... Azuma R (1997) A survey of **augmented reality**. Presence ...

[www.springerlink.com/index/H5556U134034U780.pdf](http://www.springerlink.com/index/H5556U134034U780.pdf) - [Similar pages](#)

by L Kerawalla - 2006 - [Cited by 1](#) - [Related articles](#) - [All 5 versions](#)

## 6. [Citizen Brand: Outer Space](#)

Oct 11, 2007 ... I am a freak about all things **outer space**. ... Micro Persuasion · Mostly Marketing: **Augmented Reality** · National Parks Traveler ...

[citizenbrand.typepad.com/swenson/outer\\_space/](http://citizenbrand.typepad.com/swenson/outer_space/) - 59k - [Cached](#) - [Similar pages](#)

## 7. [PDF] [The Digital Imperative # 01](#)

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Videoconferencing is a sort of degree zero **augmented reality** (AR). ... travel from **outer space** all the way down to the street level of a city, say Berlin, ...

[www.vodafone.com/flash/receiver/01/articles/pdf/07.pdf](http://www.vodafone.com/flash/receiver/01/articles/pdf/07.pdf) - [Similar pages](#)

## 8. [NOEMA > ARTS](#)

... augmented urban environment, tech-utopia **outer-space** destination, iconic design, ...

SpaceGateHotel Project: High-tech networked and **augmented reality** ...

[www.noemalab.org/sections/arte\\_detail.php?IDArts=2521](http://www.noemalab.org/sections/arte_detail.php?IDArts=2521) - 12k - [Cached](#) - [Similar pages](#)

## 9. [bob ketner | FYI: “Avatar Space to Outer Space” Bruce Damer ...](#)

7-7:30PM “From Avatar Space to **Outer Space**” Presentation by Bruce Damer; ... articles (3);

Augmented (17); **augmented reality** (3); Avatar Fashion (2) ...

[bobketner.com/news/2007/07/29/fyi-avatar-space-to-outer-space-bruce-damer-lecture-july-30-2007/](http://bobketner.com/news/2007/07/29/fyi-avatar-space-to-outer-space-bruce-damer-lecture-july-30-2007/) - 34k - [Cached](#) - [Similar pages](#)

## 10. [PDF] [Design of an Augmented Reality User Interface for an Internet ...](#)

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This thesis describes the development of Usher, an **Augmented Reality** user ..... **outer space**, toxic environments, mines, constructions sites, fires, ...

[telerobot.mech.uwa.edu.au/Information/Friz-Thesis.pdf](http://telerobot.mech.uwa.edu.au/Information/Friz-Thesis.pdf) - [Similar pages](#)

by H Friz - [Cited by 1](#) - [Related articles](#)

"augmented reality" "outer space"

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[Timmith-Metro: New Outdoor Techniques for Creating City Models with an Augmented Reality Wearable ... - unisa.edu.au \[PDF\]](#)

W PiekarSKI, BH Thomas - 5th Int'l Symposium on Wearable Computers, 2001 - doi.ieeeecs.org  
... The renderer reads a custom **model** format that ... Traditionally, navigation on a **planet** wide scale is ... other specialised areas, ECEF coordinates (**Earth** centred XYZ ...

Cited by 78 - Related articles - Web Search - All 14 versions

[\[CITATION\] Towards the Virtual City: VR & Internet GIS for Urban Planning](#)

M Dodge, S Doyle, A Smith, S Fleetwood - Virtual Reality and Geographical Information Systems, ..., 1998  
Cited by 35 - Related articles - Web Search

[\[PDF\] •TOWARDS INTEGRATED EARTH SENSING: THE ROLE OF IN SITU SENSING](#)

PM Teillet, RP Gauthier, A Chichagov - INTERNATIONAL ARCHIVES OF PHOTOGRAmmETRY REMOTE SENSING AND ..., 2002 - isprs.org  
... Living in **Augmented Reality**: Ubiquitous Media and Reactive ... in an Agrometeorological **Model**", Proceedings of ... Exploring Our Home **Planet**: **Earth** Science Enterprise ...  
Cited by 3 - Related articles - View as HTML - Web Search - BL Direct - All 3 versions

[Virtual Reality for Scientific Visualization. Working with Models and Hypotheses - uab.es \[PDF\]](#)

JA Barcelo - INTERNATIONAL JOURNAL OF MODERN PHYSICS C, 2001 - worldscinet.com  
... a stone, an atom, a wind, a **planet**, a house ... or a physiologist have to create a **model** of an ... because archaeological data are hidden under the **earth**, but because ...  
Cited by 3 - Related articles - Web Search - BL Direct - All 6 versions

[... : The Socio-Spatial and Futurological Implications of Augmented Reality and Location Awareness](#)

M Tuters - Proceedings of the Seventh International Conference on ..., 2001 - doi.ieeeecs.org  
... meters, effectively dividing-up the **earth's** surface ... battle, transforming the whole **planet** into generalized ... panopticon was an architectural **model** created by ...  
Cited by 1 - Related articles - Web Search - All 5 versions

[A Study for Image-Based Integrated Virtual Environment](#)

T Tanikawa, K Hirota, M Hirose - ... 1st International Symposium on Mixed and Augmented Reality, 2002 - portal.acm.org  
... The digital **earth**: Understanding our **planet** in the ... MMR: An interactive massive **model** rendering system using geometric and irnage-based accelera ...  
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[The Perceptive Workbench: Toward Spontaneous and Natural Interaction in Semi-Immersive Virtual ... - gatech.edu \[PDF\]](#)

B Leibe, T Starner, W Ribarsky, Z Wartell, D Krum, ... - Proceedings of the IEEE Virtual Reality 2000 Conference, 2000 - doi.ieeeecs.org  
... moving it away increases speed away from the **earth**. ... The MetaDESK: **Models** and Prototypes for Tangible User ... Third Person Navigation of Whole-**Planet** Terrain in a ...  
Cited by 62 - Related articles - Web Search - All 33 versions

[Towards geo-spatial hypermedia: Concepts and prototype implementation - au.dk \[PDF\]](#)

K Grønbæk, PP Vestergaard, P Ørbæk - Proceedings of the thirteenth ACM conference on Hypertext ..., 2002 - portal.acm.org  
... consists of a number of satellites in low **earth** orbit sending ... a city, a landscape, a country, a **planet**, or the ... as layers on top of a background **model** or map. ...  
Cited by 43 - Related articles - Web Search - All 16 versions

## World Voyaging The New Modalities of Leisure Travel

J Shaw - ... : Aktuelle und Künftige Herausforderungen und Chancen, 2000 - books.google.com

... and surrogate travel, of virtual and **augmented reality**. ... that belong to our existential condition on **planet earth**. ... popu- lar<< open source>> **model** for software ...

Web Search - All 2 versions

## [PDF] •Augmented Reality Technology

DIS Zlatanova - GISt Report, 2002 - gdmc.nl

... **Augmented Reality** Technology It should be noted that the **model** may be an abstraction of the real physical world (3D **model** of a town, Figure 1-5), or a ...

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Key authors: W Piekarski - G Welch - B Thomas - J Spohrer - B Leibe

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[Marker Tracking and HMD Calibration for a Video-based Augmented Reality Conferencing System](#) - •[washington.edu](#) [PDF]

H Kato, M Billinghurst - ... 2nd IEEE and ACM International Workshop on Augmented Reality, 1999 - doi.ieeecomputersociety.org

... worlds. An alternative approach is through **Augmented Reality** (AR), the overlaying of **virtual objects** onto the **real world**. In the ...

Cited by 565 - Related articles - Web Search - All 12 versions

[The MagicBook—Moving Seamlessly between Reality and Virtuality](#)

M Billinghurst, H Kato, I Poupyrev - IEEE COMPUTER GRAPHICS AND APPLICATIONS, 2001 - doi.ieeecomputersociety.org

... area of tangible interfaces, we use **real** objects as interface widgets; in **augmented reality**, researchers overlay 3D **virtual** imagery onto the **real world**; and in ...

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[PDF] •[A Survey of Augmented Reality](#)

RT Azuma... - PRESENCE-CAMBRIDGE MASSACHUSETTS-, 1997 - inf.pucrs.br

... **Augmented Reality** enhances a user's perception of and interaction with the **real world**. The **virtual** objects display information that the user cannot directly ...

Cited by 1458 - Related articles - View as HTML - Web Search - BL Direct - All 39 versions

[Knowledge-based augmented reality](#) - •[chalmers.se](#) [PDF]

S Feiner, B Macintyre, D Seligmann - Communications of the ACM, 1993 - portal.acm.org

... we discuss KARMA--Knowledge- based **Augmented Reality** for Main ... edge-based generation of **virtual worlds** that overlay ... the user's view of the **real world**, and that ...

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[A touring machine: Prototyping 3D mobile augmented reality systems for exploring the urban ...](#) - •[gatech.edu](#) [PDF]

S Feiner, B MacIntyre, T Höllerer, A Webster - Personal and Ubiquitous Computing, 1997 - Springer

... most **virtual environments**, in which a **virtual world** replaces the **real world**, in **augmented reality** a **virtual world** supplements the **real world** with additional ...

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[Augmented reality: linking real and virtual worlds: a new paradigm for interacting with computers](#) - •[iri.fr](#) [PDF]

WE Mackay - Proceedings of the working conference on Advanced visual ..., 1998 - portal.acm.org

... Some **augmented reality** researchers have borrowed this "**virtual** reality" technology in order to augment the user's interactions with the **real-world**. ...

Cited by 69 - Related articles - Web Search - All 12 versions

[Recent advances in augmented reality](#)

R Azuma, Y Baillot, R Behringer, S Feiner, S ... - Computer Graphics and Applications, IEEE, 2001 - ieeexplore.ieee.org

W hat is **augmented reality**? An AR system supplements the **real world** with **virtual**

(computer-generated) objects that appear to coexist in the same space as the ...

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[Tracking requirements for augmented reality](#)

R Azuma - Communications of the ACM, 1993 - portal.acm.org

... But In **augmented reality**, fMng is not a valid means of locomotion. The **virtual** objects must remain registered with the **real world**. ...

Cited by 139 - Related articles - Web Search - BL Direct - All 3 versions

[Exploring MARS: developing indoor and outdoor user interfaces to a mobile augmented reality system - •columbia.edu](#)

[PDF]

T Höllerer, S Feiner, T Terauchi, G Rashid, D ... - Computers & Graphics, 1999 - Elsevier

... us to link electronic data to actual physical locations, thereby augmenting the

real world with a layer of virtual information. **Augmented reality** [2] is ...

Cited by 211 - Related articles - Web Search - BL Direct - All 9 versions

[PDF] •[A Taxonomy of Mixed Reality Visual Displays](#)

P Milgram, F Kishino - IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS E SERIES D, 1994 - cs.wpi.edu

... is not some direct representation of a real scene, but rather a **virtual world**, one

that ... used above in support of the term **Augmented Reality**, we therefore ...

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by Larry C. Andrews, Ronald L. Phillips - 2005 - Technology & Engineering - 782 pages

[1 8] developed a theoretical **model** in the mid- 1 970s for a ground-to- ... The uplink **beam intensity** profile at the **satellite** appeared as a moderately ... books.google.com/books?isbn=0819459488...

2. Optics InfoBase: Applied Optics - Intensity fluctuations in laser ...

**Laser-beam-intensity** fluctuations between an uplink (ground to **satellite**) ... and C. Y. Hopen, "Scintillation **model** for a **satellite** communication link at ... www.opticsinfobase.org/ao/abstract.cfm?uri=ao-44-34-7364 - Similar pages  
by M Toyoda - 2005 - Cited by 1 - Related articles - All 29 versions

3. Experimental evidence for negative exponential distribution of ...

The correct mathematical **model** of the PDF is the one that agrees ... lence **strength** and/or the ratio. Dip., where D is the **laser beam** diameter and ... involved, the spatial scale of **intensity** fluctuations at the **satellite** ... ieeexplore.ieee.org/iel4/2220/15287/00706257.pdf - Similar pages  
by YE Yenice - 1998 - Cited by 1 - Related articles

4. [PDF] Atmospheric Turbulence Influence on the Precision of Laser ...

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magnitude as a function of the turbulence **strength** along the **beam** path. ... We developed a GLAD **model** of the **laser beam** propagation through the turbulent ... took advantage of a long-term cooperation with the **satellite laser** station in ...

<https://workshop.cvut.cz/2007/download.php?id=FYZ004> - Similar pages

5. ASRI Research Projects ...

The initial **model**: intersatellite range- 500 to 1500km, range accuracy <1m, ... Non mechanical **laser beam** deflection methods for the pointing system ... Quantum Well (MQW) as a **laser beam-steering** device for **laser satellite** communication, ... profile of turbulence **strength** for different receiver aperture diameters, ... asri.technion.ac.il/new\_site\_php/research\_projects/blisl/blisl\_3year.php - 24k

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## 6. Modeling of an acousto-optic **laser beam** steering system intended ...

The **intensity** equation for the incident **beam** with Gaussian profile is It can be ... Design of the **laser satellite** communication systems can be successfully ...

[link.aip.org/link/?OPEGAR/40/2208/1](http://link.aip.org/link/?OPEGAR/40/2208/1) - [Similar pages](#)

by VV Nikulin - 2001 - [Cited by 14](#) - [Related articles](#) - [All 2 versions](#)

## 7. Applied Optics

Ground-to-Satellite Narrow-Laser-Beam Pointing by Use of a Backscattered Image ... the **intensity** distribution of the image by using a typical **model** of ...

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emitted **laser beam intensity** is below statutory MPE levels in terms of retinal exposure. .... to the existing atmospheric refraction **model** verification and ... echo signal **strength**. Comparing the data rate on both ...

[www.iop.org/EJ/article/1464-4258/2/1/301/oa0101.pdf](http://www.iop.org/EJ/article/1464-4258/2/1/301/oa0101.pdf) - [Similar pages](#)

by H Kunimori - 2000 - [Cited by 4](#) - [Related articles](#) - [All 5 versions](#)

## 9. Performance limitation of **laser satellite** communication due to ...

wave since the **laser beam** propagates for most of its path through space, .... We **model intensity** modulation/direct detection (IM/DD) on-off keying (OOK) link. .... as a function of the height above sea level for four turbulence **strength** ...

[doi.wiley.com/10.1002/sat.769](http://doi.wiley.com/10.1002/sat.769) - [Similar pages](#)

by S Arnon - 2003 - [Cited by 4](#) - [Related articles](#) - [All 3 versions](#)

## 10. [PDF] Breadboard **model** of **Laser** Communication System for Hokkaido **Satellite**

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**laser beam** to direct receiving antenna of ground station. .... S.Satori, et al., "Hokkaido **satellite** project: Business Model", ...

[www.senkyo.co.jp/ists2008/pdf/2008-j-01.pdf](http://www.senkyo.co.jp/ists2008/pdf/2008-j-01.pdf) - [Similar pages](#)

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satellite model simulation beam strength land device

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### Terminal position location using multiple beams

KJ Molnar, PW Dent - US Patent 6,684,071, 2004 - [freepatentsonline.com](#)

... The following simulation results are based upon the model ... blocks 14 , 16 and 18 to model the effects ... power measurements for the different satellite beams are ...

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### Simulation and Analysis of a Tropical Cyclone Warning System. MAR 1977

JW Moll, AJ Donohoe - [stormingmedia.us](#)

... **Simulation and Analysis of a Tropical Cyclone Warning** ... A computer model developed earlier, for the rigorous ... system for the Multiple Satellite Dispenser for the ...

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### Field strength prediction behind lossy dielectric obstacles byusing the UTD

GAJ Van Dooren, M Herben - Electronics Letters, 1993 - [ieeexplore.ieee.org](#)

... Bragg mirror grown by chemical beam epitaxy', Appl. ... it is demonstrated that the extended UTD model is accurate ... and planning of land mobile satellite systems [SI ...

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### Papers Presented at PLANS 88

... , SRRP Evaluation, J **Simulation**, W Griffin, A C ... - [ieeexplore.ieee.org](#)

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### The Forward Observer Personal Computer Simulator (FOPCSim) 2 SEP 2005 123 pages

J McDonough, M Strom - [stormingmedia.us](#)

... Surfaces for the Dynamic Biomechanical **Model** of Human Load ... of a newly deployed, **satellite**-borne radiometer ... An Observing System **Simulation** Experiment for Hydros ...

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C Agarwal, Northeastern Research Station, United ... - 2002 - [hero.geog.psu.edu](#)

... we had covered a range of **model types**. ... econometric models, dynamic systems models, spatial simulation models, linear ... We reviewed 19 land-use models for their ...

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**[PDF] •Assessment of Snow Cover and Surface Albedo in the ECHAM5 General Circulation Model**

A Roesch, E Roeckner - Journal of Climate, 2006 - mpimet.mpg.de

... into account the above mentioned uncertainties in **satellite** ... are also generally found in the **model simulation**. ... the snow line in the observation and **simulation**. ...

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**[PDF] •Simulation in Military Training: Recent Developments**

D Dutta - DEF SCI J, 1999 - publications.drdo.gov.in

... of networking of simulators through **satellite** communication has ... in their respective **simulation** development centres ... and dynamic computer wargame **model** having six ...

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**Low-G Zigzag Device for High Voltage Converter Safety MAR 88**

DL Overman, JL Beard, G Lohmann, DW Hunter - stormingmedia.us

... from 22 separate runs of the NPS **model** are studied. ... **Satellite** selection criteria are identified and serve ... ... A **Simulation** Study of a Speed Control System for ...

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**Model Scenarios for Direction-Selective Adaptive Antennas in Cellular Mobile Communication Systems- ...**

U Martin, J Fuhl, I Gaspard, M Haardt, A Kuchar, C ... - Wireless Personal Communications, 1999 - Springer

... systems, electronically steerable beams can be used for **satellite** tracking. ... tenuous transients between a sequence of DGS **model** states during **simulation**. ...

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**model** allows the user to specify **cloud** cover .... an interface to a **missile threat** generation development, as certain engineering models are .... **simulation** only outputs track data and **satellite** health-and-status data. ...

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by B Barnhart - 1996 - [Cited by 3](#) - [Related articles](#)

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Recreate realistic **satellite** link conditions - delay, jitter, loss  
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Not every element of this particular **model** is hyper-realistic, however. ... [UPDATE: A new video, featured above, now has the **missile** launching from the proper place. ... Still, this is about as realistic a **simulation** you're going to see. ...

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6.4 Sizing the SBI **Satellite**: Kill Vehicle, Interceptor, and Life Jacket . ..... the liquid-propellant **missile** ICBM **model** L launched from North Korea . .... 12.11 **Simulation** of the endgame for an 8-g lunge by the target **missile** one second ..... "The ballistic **missile threat** to the United States," speech by the ...

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### 6. [Missile Nonproliferation and \*\*Missile\*\* Defense: Fitting Them ...](#)

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R Eschenbach - US Patent 6,124,825, 2000 - Google Patents

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... Workshop on **Augmented Reality**), San Francisco, CA, October 20-21, 1999, pp. ... The Ranger Telerobotic Shuttle Experiment: An On-orbit **Satellite Servicer**," in ...

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GA VanSlambrook - 1997 - infoserve.sandia.gov

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M Novara, D Kassing - Advances in Space Research, 1997 - Elsevier

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ID Bishop - Landscape and Urban Planning, 2000 - Elsevier

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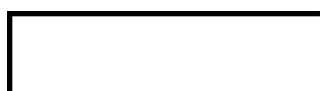
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Google Earth is an interactive mapping application that allows users to ... Augmented reality adds information and meaning to a real object or place. ...

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